

SPARCAST LC30FF

SPARCAST LC30FF is a high purity, low moisture, low cement castable designed for vibrating, pumping, or shotcreting.

PHYSICAL PROPERTIES

Maximum Service Temperature	3100°F
Dry Castable Requirement	150-160 lbs./cu.ft.
Mix Water Required: Vibrating	4.0-5.5
(% by Weight) Pumping	5.0-6.2
Shotcreting	5.0-6.2
Bulk Density after 230°F	155-160 lbs./cu.ft
Modulus of rupture	
After Drying at 230°F	1600-2200 lbs/sq.in.
After Heating to 1500°F	2200-3300 lbs/sq.in
After Heating to 2250°F	2200-3500 lbs/sq.in
Cold Crushing Strength	
After Drying at 230°F	12000-18000 lbs/sq.in.
After Heating to 1500°F	11000-16000 lbs/sq.in
After Heating to 2250°F	11000-16000 lbs/sq.in
Linear Change, %	
After Drying at 230°F	0.0 to -0.4
After Heating to 1500°F	0.0 to -0.4
After Heating to 2250°F	0.0 to -0.4
Erosion Resistance (ASTM C704)	Less than 9 cc loss. (Typical: 4– 6 cc loss)
Typical Chemical Analysis, %	
Al ₂ O ₃	62.7
SiO ₂	32.6
CaO	1.8
TiO ₂	1.7
Fe ₂ O ₃	0.9
MgO	0.1
Alkalies	0.2

SPARCAST LC30FF is available in 55# bags and various sized bulk bags palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE

Data shown are average results of standard ASTM tests unless otherwise noted. Results may vary subject to variations in manufacturing, testing, and installation procedures in the field.